ABSTRACT OF DISCLOSURE

In an image display device, assuming a distance between electron sources and control electrodes as Lkg, a distance between the control electrodes and acceleration electrodes as L12, a thickness of opening holes formed in the control electrodes as Tgl and a short diameter of the opening holes formed in the control electrodes as FGl, the acceleration electrodes satisfy the relationship (Lkg + Tgl + L12/2)/FGl ≥ 0.25, assuming a thickness of the opening holes formed in the acceleration electrodes as Tg2 and a short diameter of the opening holes formed in the acceleration electrodes as FG2, the acceleration electrodes satisfy the relationship Tg2min \leq Tg2 \leq Tg2max and the relationship Tg2min = 2.98FG2 - 0.04, assuming FG2 < 0.109, the acceleration electrodes satisfy the relationship Tg2max = 0.02/(0.115 - FG2) - 0.06, and assuming $FG2 \ge 0.109$, the acceleration electrodes satisfy the relationship Tg2max = 0.03/(FG2 - 0.1) + 0.045. Due to such a constitution, the light emission control can be easily performed and the self-alignment of the electron sources and the control electrodes can be realized whereby the reduction of manufacturing cost and the tolerance in manufacture can be enhanced.